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| Newton’s First Law | A object at rest will stay at rest, and an object in motion will stay in motion unless acted upon by an unbalanced force. |  |
| Newton’s Second Law | If a force of F is applied to an object with a mass of m, the object will accelerate at a rate of a in the direction of the applied force. F=m?a |  |
| Newton’s Third Law | For every action force, there is an opposite reaction force. |  |